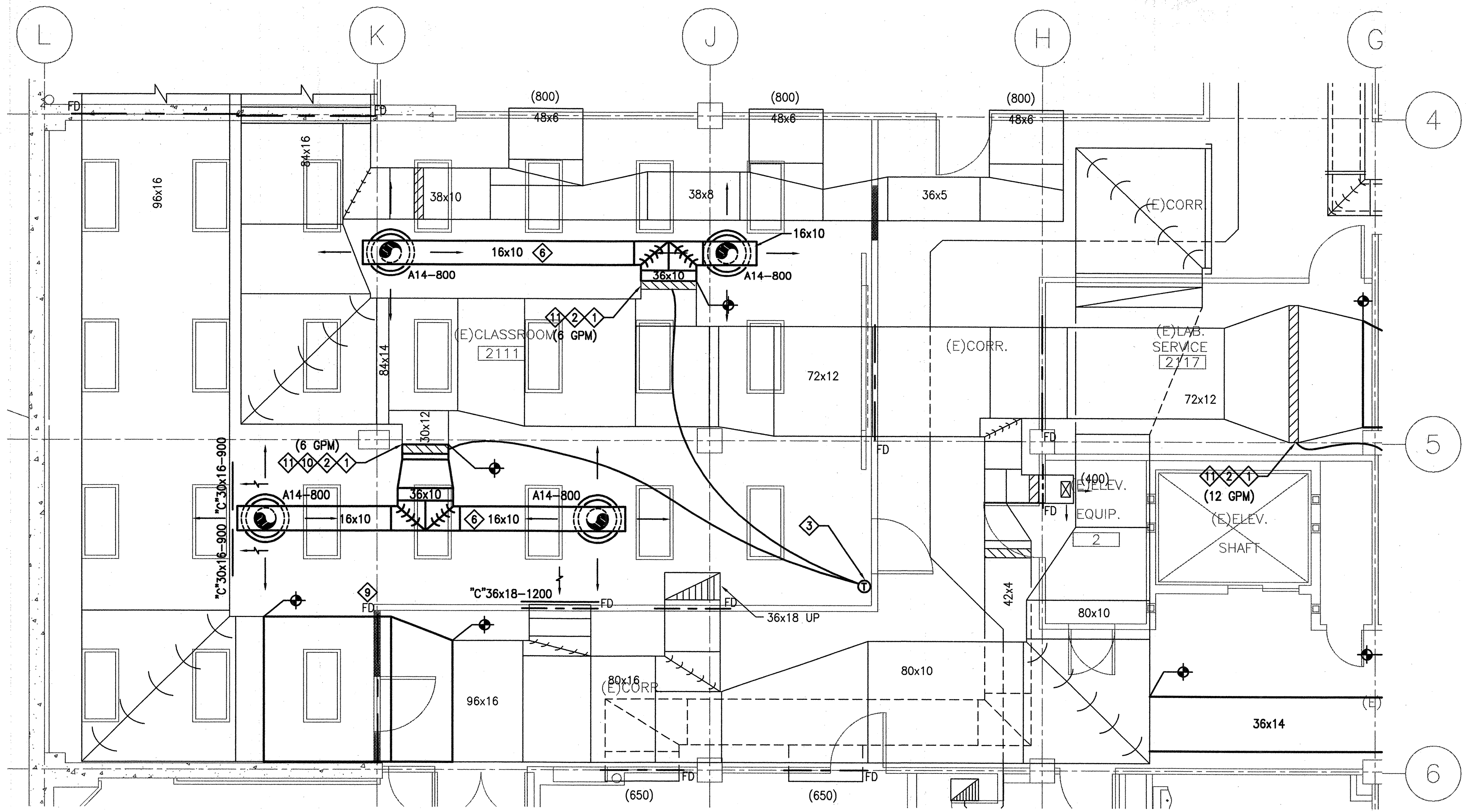
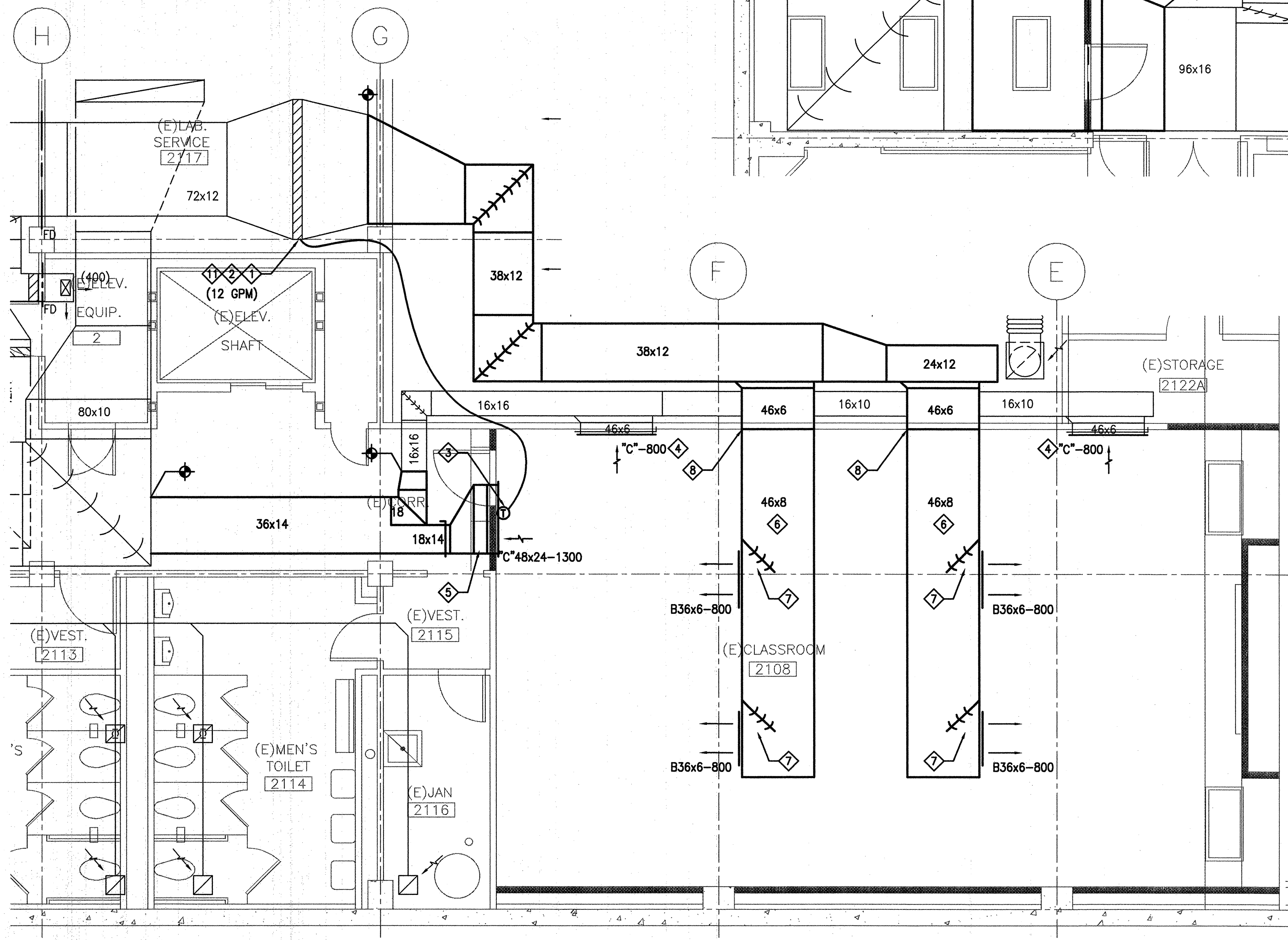


Date Signed 03/14/07



1 ROOM 2111 MECHANICAL PLAN
1/4" = 1'-0"



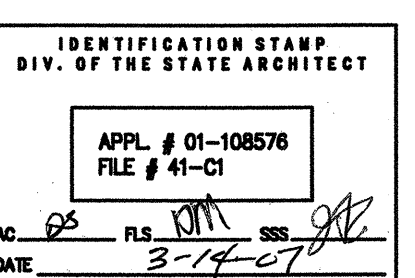
2 ROOM 2108 MECHANICAL PLAN
1/4" = 1'-0"

SHEET NOTES

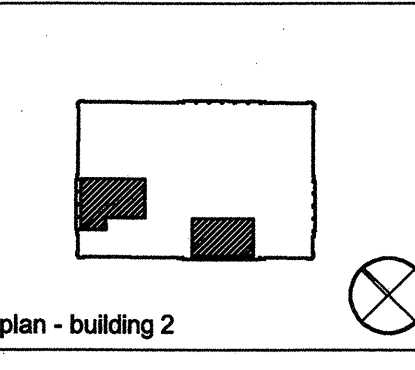
- REFER TO THE PROJECT SPECIFICATIONS AND THE SAN MATEO COMMUNITY COLLEGE DISTRICT STANDARDS FOR ALL INFORMATION NOT SHOWN ON THIS DRAWING.
- CONTRACTOR SHALL VISIT JOB SITE PRIOR TO SUBMISSION OF BID & SHALL BE COGNIZANT OF ALL EXISTING CONDITIONS, EXISTING POINTS OF CONNECTION AND EXISTING DUCT AND PIPE RUNS.
- SEE DRAWING M2.1D FOR ALL DEMOLITION WORK.
- CONTRACTOR SHALL FIRE STOP ALL WALL OPENINGS NEW AND EXISTING WITH A UL LISTED, FIRE MARSHALL APPROVED METHOD AND MATERIALS.
- CONTRACTOR SHALL INSPECT EXISTING PIPE INSULATION IN AREAS OF WORK, REPAIR AS REQUIRED TO MEET PROJECT SPECIFICATIONS AND TITLE 24 REQUIREMENTS.
- NEW DUCTWORK SHALL BE PAINTABLE, GALVANIZED SHEET METAL, SEALED AT LONGITUDINAL SEAMS AND TRANSVERSE JOINTS, AND MADE AIR TIGHT AS PER PROJECT SPECIFICATIONS. CONTRACTOR SHALL INSPECT EXISTING DUCTWORK TO REMAIN FOR LEAKAGE AND INSULATION (IN AREAS OF WORK AND ASSOCIATED MECHANICAL/FAN ROOM). EXISTING DUCTWORK FOUND TO BE LEAKING OR DEFECTIVE SHALL BE REPAIRED OR REPLACED SO AS TO MEET PROJECT SPECIFICATIONS.
- NOT ALL TRANSITIONS, UPS AND DOWNS ARE SHOWN ON THIS PLAN. THE CONTRACTOR SHALL MAKE THOSE AS NECESSARY TO FIT FIELD CONDITIONS. IF NEEDED THE DUCT DIMENSIONS CAN BE CHANGED AS LONG AS THE CROSS SECTION AREA REMAINS THE SAME (WITHIN 1:3 RATIO).
- PROVIDE ACCESS DOORS OR ACCESS PANELS (AS REQUIRED) TO ALL SERVICEABLE EQUIPMENT, VALVES, FIRE AND VOLUME DAMPERS, ETC. (NEW AND EXISTING). COORDINATE LOCATION WITH ARCHITECT.
- CONTRACTOR SHALL REBALANCE THE AIRFLOW IN AREAS OF WORK AS WELL AS OTHER AREAS SERVED BY THE SAME SUPPLY (HV-5C) AND RETURN (RF-1) FANS.
- CONTRACTOR SHALL INSPECT AND TEST SUPPLY (HV-5C) AND RETURN (RF-1) FANS AND PERFORM STANDARD MAINTENANCE AND REPAIR (CHANGE FILTERS, CHECK/REPLACE BELTS, CLEAN COILS, FAN, LUBRICATE BEARINGS, ETC.) AND PERFORM TEST RUN(S) TO ENSURE UNITS ARE WORKING PROPERLY. CONTRACTOR SHALL ALSO TEST AND CHECK FAN CONTROLLER(S). DEFECTIVE OR MISSING PARTS SHALL BE REPLACED W/NEW TO MATCH EXISTING. COORDINATE ALL WORK WITH BUILDING ENGINEER AND OTHER TRADES.

KEY NOTES

- Ⓛ ALL (3) RE-HEAT COILS IN AREAS OF WORK SHALL BE VACUUMED CLEAN (ON BOTH SIDES) PRIOR TO PROJECT COMPLETION. MECHANICAL CONTRACTOR SHALL USE EXISTING ACCESS DOORS (IF AVAILABLE) TO CLEAN COILS. IF ACCESS TO COILS IS NOT AVAILABLE, MECHANICAL CONTRACTOR SHALL PROVIDE ACCESS DOORS ON EITHER SIDE OF THE COILS SO THAT THEY CAN BE VACUUM CLEANED. ACCESS DOORS SHALL MEET SMACNA STANDARDS AND SHALL KEEP DUCTWORK WITHIN THE 0.5% LEAKAGE RATE CALLED FOR IN THE SPECIFICATIONS.
- Ⓜ CONTRACTOR SHALL INSPECT, REPAIR OR REPLACE AS NECESSARY, THE HEATING HOT WATER CONTROL VALVES (TYP.- 3 LOCATIONS). COORDINATE W/ BUILDING ENGINEER.
- Ⓝ PROVIDE NEW THERMOSTATS, MODEL AND MANUFACTURER SHALL MATCH EXISTING. COORDINATE EXACT INSTALLATION HEIGHT AND LOCATION WITH ARCHITECT.
- Ⓞ PROVIDE RA GRILLE PER SCHEDULE, PROVIDE SAME SIZE AS EXISTING.
- Ⓟ PROVIDE RA PLENUM TO MATCH GRILLE NECK DIMENSIONS.
- Ⓠ COORDINATE SA DUCT AND AIR OUTLET LOCATION WITH EQUIPMENT RACK AND LIGHT LOCATIONS. INSTALL DUCTWORK AS HIGH AS POSSIBLE.
- Ⓡ PROVIDE DUCT EXTRACTORS AT EACH SA GRILLE FOR AIRFLOW BALANCING.
- Ⓢ REUSE (E) WALL OPENING/DUCT PENETRATION FOR NEW DUCT. FIRESTOP PER PROJECTS SPECIFICATIONS.
- Ⓣ RELOCATE (E) FIRE DAMPER (FD) TO NEW WALL LOCATION, PROVIDE NEW DUCTWORK AS SHOWN TO RE-USE (E) FD.
- Ⓤ RELOCATED (E) HW COIL, SEE M2.1D FOR ORIGINAL LOCATION, MOVE HWS&R PIPE, AND CONTROL VALVE.
- Ⓡ WIRE THERMOSTATS TO HW CONTROL VALVE AS SHOWN, REBALANCE WATER FLOW IN HW COIL TO NEW GPM VALUES SHOWN.



02.02.07	DSA SUBMITTAL	
	DSA BACKCHECK	
rev.	date	issue



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